SHEET 1 OF 4 SERIAL NO. ATTY. DOCKET NO. FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office 10/516,889 APV31833 (Rev. 4/92) APPLICANT INFORMATION DISCLOSURE Paul Alexander DE VRIES et al. STATEMENT BY APPLICANT FILING DATE GROUP 1742 (Use several sheets if necessary) December 3, 2004 II S PATENT DOCUMENTS

				_	4000	l	<u>U.S. I</u>	PATI	ENT DOO	CUMENTS				
EXAMINER INITIAL				DOCU	MENT N	лмвек			DATE	NAME	CLASS	SUBCLASS	FILING D	
m		1	5	6	2	0	9	0	. 11/25	Hoopes				
		1	9	3	8	1	0	1	12/33	Hall				
		3	2	1	1	5	4	7	10/65	Jarrette et al.				
		3	2	9	6	8	1	1	01/67	Stoller				
		3	3	0	3	0	1	9	02/67	Jacobs				
		3	3	0	8	6	6	6	03/67	Anderson et al.				
		3	8	4	0	3_	6	4	10/74	Flemings et al.			•	
		4	0	4	3	8	0	2	08/77	Esdaile et al.				
		4	2	7	3	6_	2	7	06/81	Dawless et al.				
		4	3	0	5	7	6	3_	12/81	Quist et al.				
		4	4	1	1	7	4	7 ·	10/83	Dawless et al.				
		4	4	5	6	4	8	. 0	06/84	Wintenberger				
		4	7	3	6	3	1	4	04/88	Riese et al.				
		5	2	2	1	3	7	7:	06/93	Hunt, Jr. et al.				
		5	3	1	2	4	9	8_	05/94	Anderson				
		5	7	4	1	3	4	8	04/98	Van Der Donk et al.				
						FO	REIC	SN PA	ATENT I	OCUMENTS		_		
	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA	TION
	<u> </u>	ļ —				,		,				ļ	YES	NO

				FUI	KEI	\mathbf{r}	ATENT L	OCUMEN 18					
		DOCU	MENT N	лмвек			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
											YES	NO	
			(

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED

EXAMINER: Initial if ditalion is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM P' (Rev. 4/9				epartn nd Tra						Y. DOCKET NO. 31833		SERIAL NO. 10/516,889		
		NFOR!								LICANT Alexander DE VRIE	S et al.			
	(Use se	veral s	sheets	if nece	ssary)				FILING DATE GROUP December 3, 2004 1742				
							U.S	S. PAT	ENT DOC	UMENTS	_			
. EXAMINER INITIAL				DOCU	MENT NI	MBER.			DATE	NAME	CLASS	SUBCLASS	FILING D	ATE RIATE
M		3	6	7	1	2	2	9	06/72	Ferber et al.				
		4	0	5	. 0	6	8	3	09/77	Langhammer	ļ			
		4	1	3	3	5	1	7	01/79	Esdaile et al.				
	ļ	4	2	2	2	8	3	0	09/80	Dawless et al.				
	ļ	5	9	6	8	2	2	3	10/99	Eckert	-			
	<u> </u>	6	2	2	4	6	4	8	05/01	Verdoes et al.			<u>.</u>	
	<u> </u>	6	2	9	0	9	0	0	09/01	Hatano et al.				
	ļ <u>.</u>	6	3	5	5	0	8	5	03/02	Pillin et al.				
		L	<u> </u>			<u> </u>	<u> </u>							
		T					FORE	IGN P	ATENT D	OCUMENTS				
				DOCU	MENT N	JMBER			DATE	COUNTRY	CLAS	S SUBCLASS	TRANSLA YES	NO
	<u> </u>												,	I NO
		ļ												
	<u> </u>	 							-					
	.1	.I		THER	DOC	UME	NTS (I	ncludi	ng Author.	Title, Date, Pertinen	t Pages.	Etc.)	<u> </u>	
									,					
***								•						
1	<u> </u>													
BALLIM		Nug					DA	ге со	NSIDERE	D 1/29/08	8			
EXAMINI this form v								ne thro	ugh citatio	n if not in conforman	ce and r	not considered.	Include co	opy of

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office

INFORMATION DISCLOSURE

(Use several sheets if necessary)

STATEMENT BY APPLICANT

ATTY. DOCKET NO. APV31833

SERIAL NO. 10/516,889

APPLICANT

Paul Alexander DE VRIES et al.

FILING DATE December 3, 2004 **GROUP**

1742

U.S. PATENT DOCUMENTS

EXAMINER INITIAL				DOCU	MENT NU	JMBER			DATE	NAME	CLASS	FILING E SUBCLASS IF APPROP		
							FORE	IGN P	ATENT D	OCUMENTS				
				DOCU	MENT NU	лмвек			DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
											<u> </u>		YES	NO
TM			2	5	8	2	8	3	07/88	DD			Abstract Only	
		4	3	2	5	7	9	3	02/95	DE				Mach. Trans & Abstract
		0	0	9	9	9	4	8	02/84	EP				
		0	7	4	5	6	9	3	12/96	EP		ļ		
		1	2 _	8	8	3	1	9	03/03	EP				
		1	3	8	0	6	5	9	01/04	EP				
·		1	_5_	-9-	-4-		5	4	06/70	FR				X
1		1	3	5	2	5	6	7	05/74	GB		<u> </u>		
M		2	1	5	4	3	1_1_	5	09/85	GB		ļ		
<i>/</i> · · ·		7	0	7	0	6	6	6	03/95	JP			х	
1	5	2	1	3	5	7	9	7	11/77	JP			Abstract Only	
	5	<u></u> s	0	5	0	4	4	2	04/80	JP			- Abstract - Only	
m,	5	7	1	5	2	4	3	5	09/82	JP			Abstract Only	
	6	0	2	3	4	9	3	0	11/85	JP			Abstract Only	
7		1	5	8	9	1	7	3	08/90	su			Abstract Only	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DATE CONSIDERED

EXAMINER: Initial if chation is considered, draw line through citation if not in conformance and not considered. Include copy of (Form PTO-1449 [6-4]) this form with next communication to applicant.

													SUEET	4 UF 4	
FORM P7 (Rev. 4/92			U.S. D						ī	ATTY. DOCKET NO. SERIAL NO. 10/516,889					
			MATIO MENT						1	LICANT Alexander DE VRIE	S et al.				
	(Use se	veral s	sheets	if nece	ssary)			+	FILING DATE GROUP December 3, 2004 1742					
							U.:	S. PAT	ENT DOC	UMENTS					
EXAMINER				poct	MENT NI	n weep				DATE NAME CLA		S SUBCLASS	FILING I		
INITIAL				DOCO	MENI NI	MBER			DATE	NAME	CLAS	3 SUBCLASS	питког		
								·							
-											_				
		ļ									 				
		<u> </u>	<u> </u>	l			L	1000		OCUMENTE					
	Ι	<u> </u>	 -	DOCU	MENT NI		FUKE	IGN F	DATE	COUNTRY	CLA	SS SUBCLASS	TRANSL	ATION	
				ı			1	T					YES	NO	
JW/		0	5	8	7	2	7	4	03/94	EP	-			<u> </u>	
-		0	8	2	9	5	5	2	03/98	EP	+				
-	20	005 T	0_	9	5	6	5	8	10/05	WO			 	 	
	0	2	0	5	2	0	5	3	07/02	wo_	<u> </u>		<u> </u>	<u> </u>	
		Ι								Title, Date, Pertinen			1 1 00	.00	
m			Publis lished					00318	323 A1, (0	9/728,706), Atchete	ee et al	., Filed Dece	mber 1, 20	00,	
								02615	572 A1, (1	0/488,042), De Vri	es, File	ed August 30,	2002,		
		Min	Published December 30, 2004. Fourth International Symposium on Recycling of Metals and Engineering Materials TMS (The Minerals, Metals and Materials Society) 200. p. 979-991, Refining of a 5XXX Series Aluminium Alloy Scrap B ALCOA Fractional Recrystallization Process, by Ali Unal.												
T	\overline{h}	Pen	ry's C	hemic	al En	ginee	rs' Ha	andbo	ok, 7 th ed.,	McGraw-Hill, 199	7, p. 1	8-5 to 18-13.			
EXAMPLE		16	\searrow				DA	TE CO	NSIDERE	D 1/24/	α				
	1/		\mathcal{L}							(,	Ο.				

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

											SHEET	1 OF 1
FORM PTO-1449 (Rev. 4/92)	U.S. Depar Patent and T			æ				. DOCKET NO. 31833		APPLICATION 1 10/516,889	NO.	
	NFORMA TATEME							CANT Alexander DE VRIE	es			
	(Use seve	rai shects i	f necess	ary)				FILING DATE GROUP December 3, 2004 1742				
				Į	U.S. PA	TEN'	T DO	CUMENTS				
EXAMINER INITIAL		DOCU	MENT N	JMBER			DATE	NAME	CLASS	SUBCLASS	FILING T IP APPROP	
									_			
				FO	REIGN	PAT	ENT D	OCUMENTS				
		DOCT	JMENT N	UMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA YES	NO
	отнег	DOC	UME	NTS	(Inclu	ding A	Luthor	, Title, Date, Pe	rtinent	Pages, Etc.)	
m	Unpub	lished	Paten	t App	oln. No.	10/59	98,731	De Vries, Filed	Septem'	oer 8, 2006.		
					n. No. 2 August			A1, (Appln. No. 1	0/516,8	88), De Vries	et al., Fil	ed
					n. No. 2 ry 24, 2		039578	A1, (Appln. No. 1	0/491,2	78), De Vries	s, Filed O	ctober
					n. No. 2 ished No			A1, (Appln. No. 1 2007.	0/577,3:	54), De Vries	s et al., Fil	ed
					n. No. 2 Pebruary			A1, (Appln. No. 1	1/492, 2	26), De Vrie	s et al., Fi	led
EXAMPLE	DUG	2			DAT	E CO	NSIDE	RED 1/291	108			

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO (Rev. 4/92)			Departm and Trad			e				ATTY. DOCKET NO. APPLICATION NO. APV31833 10/516,839							
			MATI MENT							APPLICANT Paul Alexander DE VRIES							
		(Use	several	sheets it	f necess	агу)				FILING DATE GROUP December 3, 2004 1742							
							U .S. I	PATE	NT DO	Γ DOCUMENTS							
EXAMINER INITIAL				DOCU	MENT N	JMBER_			DATE	NAME	CLASS	S SUBCLASS	FILING I IF APPROP				
		,				-					-						
											 		1				
										•							
						FO	REIC	SN PA	TENT D	OCUMENTS							
				DOCU	MENT N	JMBER			DATE	COUNTRY	CLAS	SS SUBCLASS	TRANSLA	ATION			
O = 2										-	15		YES	NO			
my	5	5	0	5	0	4	4	2	04/80	JР	<u> </u>		X				
m	6	0	2	3	4	9	3	0	11/85	JР			X				
					·						-			<u> </u>			
											-						
-																	
3						,					 	-					
				\vdash						<u></u>	-						
						 											
		·— OTH	ER I	OCI	IME	NTS	Ancl	uding	Author	, Title, Date, Per	tinent	Pages, Etc	.)				
-						- , - 0	,		,	,,, 1 01			·/				
1										•							
MAMA	M	W	\mathcal{M}				DA'	TE CO	NSIDERE:	0 1/29/01	8						
EXAMINE copy of this	B: I	nitial a with	if cita	tion is comm	consid unicat	dered, tion to	draw appli	line th	rough cit	ation if not in confo	rmance	and not cons	idered. Inc	clude			